SPITFIRE 4™

USER MANUAL

Spitfire™ 4 Tag & Label Printer

SPITFIRE 4
TAG & LABEL PRINTER
ACCUFORM SIGNS
ACCUFORM.COM/SPITFIRE
SCAN FOR SUPPORT
PULL TABS TO OPEN COVER
TO CLOSE COVER, LIFT AND CLOSE GENTLY
A

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INTRODUCTION

Thank you for purchasing the Spitfire™ 4 print system. The Spitfire™ 4 is the ideal label printer for safety and maintaining a visual work environment.

Operating it is easy! That's why every facility is choosing the Spitfire™ 4 to print their custom tags and labels.

So many supplies to choose from. From magnets to reflective tape, the Spitfire™ 4 will print your sign.

Small compact footprint and mobility options makes the Spitfire™ 4 versatile. Create labels and tags off site, without an outlet.

Spit out custom labels in seconds at the same time automatically cutting each sign.

Spitfire™ 4 labels are built to last in most environments.

COMPLIANCE

CE Class B:

EN55022: 1998+A1: 2000+A2: 2003

EN55024: 1998+A1: 2001+A2: 2003 IEC

61000-4 Series, EN61000-3-2: 2006 &

EN61000-3-3: 1995+A1: 2001

FCC Part 15, Class B

UL, CUL

C-Tick: CFR 47, Part 15/CISPR 22 3rd Edition:

1997, Class B, ANSI C63.4: 2003, Canadian

ICES-003

TÜV/Safety: EN60950: 2000

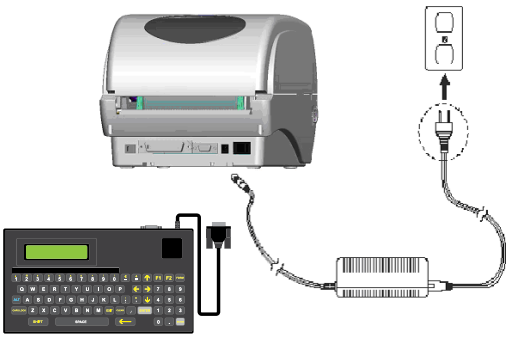
GETTING STARTED

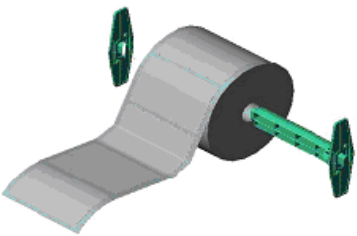
When unpacking the Spitfire™ 4, carefully inspect the packaging and printer upon receiving to ensure the print system is not damaged.

Spitfire™ 4 Equipment Checklist:

- Spitfire™ 4 Printer
- Spitfire™ 4 Keyboard
- Spitfire™ 4 User Manual
- Spitfire™ 4 USB port cable
- External Universal Switching Power Supply
- Power Cord
- Label Spindle, 2 Alignment Tabs
- Ribbon Spindles, 2
- Ribbon Rewind Spindle Core
- Spitfire™ 4 Maintenance Cleaning Kit.
- Media Starter Kit.

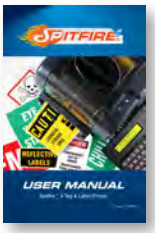
If any parts are missing, please contact the Customer Service Department of Accuform Signs or your distributor.





SpitFire™ 4 Maintenance Cleaning Kit:

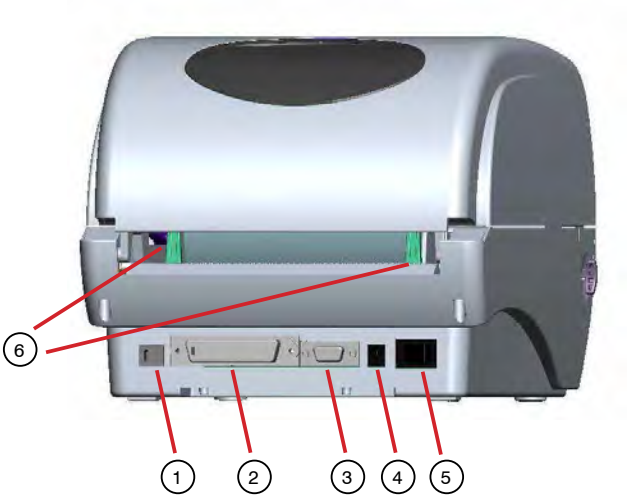
- 2 Cleaning Pens (broad and narrow tip)
- 10 Alcohol Swabs
- 10 Dry Swabs
- 10 Dry Wipes



COMPONENTS

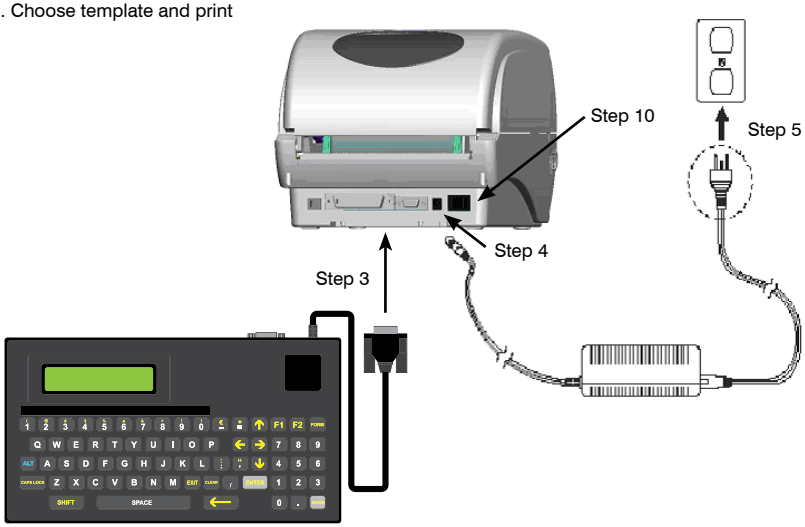
1. Clear Window Supply Indicator
2. Ink Ribbon Access Cover
3. LED Indicator
4. Feed Button
5. Printer Top Cover
6. Top Cover Open Lever

1. USB Interface
2. Centronics Interface
3. Keyboard Interface
4. Power Jack
5. Power Switch On/Off
6. Rear Guide



SETUP

1. Place Spitfire™ 4 Printer and Keyboard on a flat, secure surface.
2. Make sure the power switch is off.
3. Connect the Spitfire™ 4 Keyboard cable plug into the Spitfire™ 4 printer Keyboard Interface.
4. Plug the power cord into the Power Jack connector at the rear of the Spitfire™ 4 printer.
5. Plug the power cord into a properly grounded receptacle.
6. Open Spitfire™ 4 Printer Top Cover.
7. Load the Ink Ribbon (see pg 9).
8. Load the Labels (see pg 10).
9. Close Spitfire™ 4 Top Cover. Lift cover to the maximum open angle to release right Prop Arm and close GENTLY to “click-lock”.
10. Turn On Spitfire™ 4 - Power Switch at rear of printer.
11. Choose template and print



LOADING THE INK RIBBON

When the Spitfire™ 4 is powered on, the printer will detect if the ink ribbon is seated properly. When changing ink ribbons, make sure the Spitfire™ 4 is powered off. If the ink ribbon comes out of the machine, immediately turn the printer off and rewind excess, then turn back on.

Please follow the steps below to install the ink ribbon into the Spitfire™ 4:

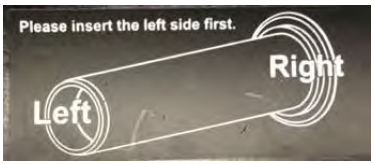
1. Push down on the Ink Ribbon Access Cover to unlatch and raise up the cover.

Install the Rewind Core for Ink Ribbon.

2. Insert the Ink Ribbon Spindle into Paper Core.
3. With larger end of Spindle to the right, mount the Paper Core on Ink Ribbon Rewind Spindle on the Front Hubs. Start with spring-loaded left hub first. Turn Spindle until “click-lock” in.
4. Open Printer Top Cover - pull back the two Top Cover Open Levers at the same time. Then raise cover.

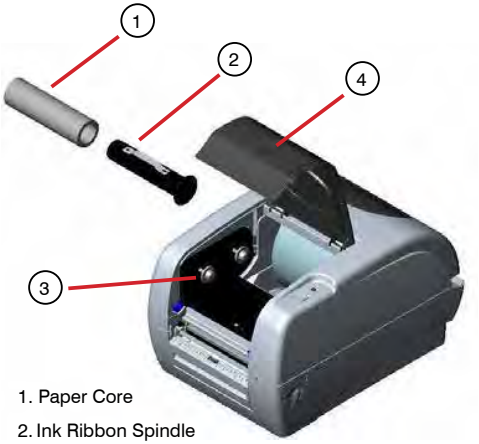
Install the Ink Ribbon Roll

5. Insert the Ink Ribbon Spindle into Ink Ribbon Roll. Ribbon feeds from back side downward.
6. With larger end of Spindle to the right, mount the Ink Ribbon Roll on Spindle on the Rear Hubs. Start with spring-loaded left hub first. Turn Spindle until “click-lock” in.
7. Pull the Ink Ribbon Leading Edge downward pass and wrap past the print head. Attach the Ribbon Lead Edge to the Ribbon Rewind Paper Core.
8. Rotate the Ribbon Rewind Paper Core Spindle away from you, until the ribbon leader is thoroughly encompassed by the color section of the ribbon.
9. Close the ribbon access window to “click-lock”.

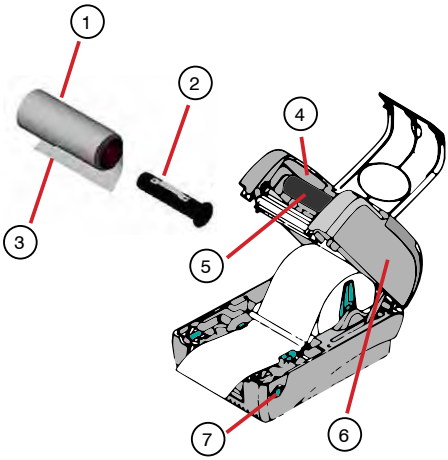


*****VERY IMPORTANT*****

Must insert ink spindles correctly or you will get an error when printing.



1. Paper Core
2. Ink Ribbon Spindle
3. Front Hubs
4. Ink Ribbon Access Cover



1. Ink Ribbon Roll
2. Ink Ribbon Spindle
3. Ink Ribbon Lead Edge
4. Rear Hub
5. Ink Ribbon Rewind Core Spindle
6. Printer Top Cover
7. Top Cover Open Levers

LOADING THE LABELS

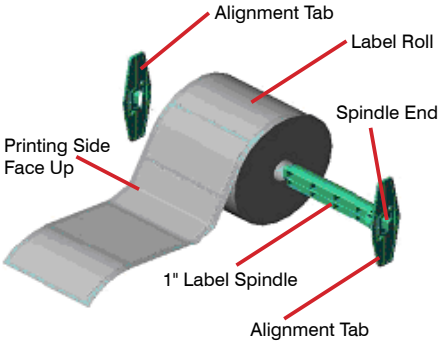
When changing Label Roll, make sure the Spitfire™ 4 is powered Off.

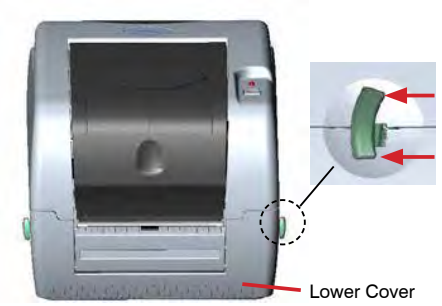
Please follow the steps below to install Label Roll into the Spitfire™ 4:

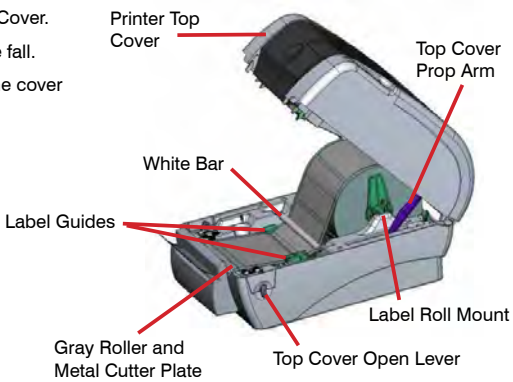
1. Insert 1" label spindle into the Label Roll's paper core.
2. Adjust the two Alignment Tabs to the Label Roll so it is centered on the 1" Label Spindle.
3. Open Printer Top Cover. Pull back the Top Cover Open Levers located on both sides of the printer. Lift the Top Cover. A Top Cover Prop Arm at the right rear of the printer holds the Printer Top Cover open.
4. Place the label roll into the slots of the Label Roll Mount by setting the Spindle ends.
5. Feed the label printing side face up, under the white bar, through the Label Guide, pass over the Gray Roller and over the Metal Cutter Plate under the plastic flange to exit through the front of the printer.
6. Adjust the green center-biased Label Guides to slightly touch the edges of the label backing.
7. Close the Printer Top Cover. Lift cover to the maximum open angle to release the right Prop Arm. Then use both hands to close the cover GENTLY to "click-lock".

Note:

1. Make sure hands are not placed under side Top Cover or inside printer when closing the Top Cover.
2. DO NOT FORCE CLOSE the Printer Top Cover.
3. Do not allow the Printer Top Cover to free fall.
4. Failure to securely close to "click-lock" the cover will result in poor print quality.







KEYBOARD

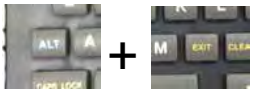
Keypad screen

Press the up and down arrow keys to navigate the label formats and menu formats.

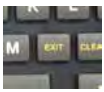
Press the F2 key to go into the printer settings and to change your fonts.

Caps lock is always default ON when powering up the Spitfire™ 4. To disable press the caps lock.

Press the enter key to activate the label format or menu format.



If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.



Press the exit key to go back to the first template, Horizontal Label.

Press the backspace arrow to delete text.

If the red light is on (not flashing) the cover is open, must be closed properly. If the red light is flashing this means an error occurred. If using tags, press the feed button on top of the printer to line up.

Green light means ready to print!

TEMPLATE MENU

HORIZONTAL LABELS
PRESS ENTER
Go to page 13.

VERTICAL LABELS
PRESS ENTER
Go to page 14.

OSHA LABELS
PRESS ENTER
Go to page 15.

ANSI LABELS
PRESS ENTER
Go to page 17.

PIPE MARKERS
PRESS ENTER
Go to page 18.

SAFETY TAGS
PRESS ENTER
Go to page 19.

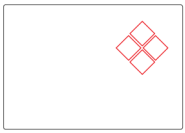
GHS PICTOGRAMS
PRESS ENTER
Go to page 20.

BARCODE LABELS
PRESS ENTER
Go to page 21.

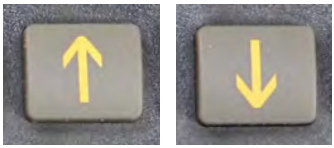
NFPA DIAMOND
LABELS
PRESS ENTER
Go to page 22.

HMCIS LABELS
PRESS ENTER
Go to page 23.

GHS LABEL
PRESS ENTER
Go to page 24.



Press up and down arrows to scroll through to select specific template.



HORIZONTAL LABELS

Horizontal Label is the most used label format for the Spitfire™ 4 printer. Create simple one line labels up to four lines of text. You also have the option of reverse printing your custom sign.

The horizontal Label is ideal for 5S, equipment labels, directional labels, and directions.

Note: When disabling the caps lock and using lower case letters, keep in mind to enter a roll width lower than what is loaded in the print system. i.e. if using 4" tape, use the 3" roll width to use lower case letters. Reason is that the letters y, j, and g need the extra space to print, otherwise you will get a blank space where the y, j, and g are.

HORIZONTAL LABEL
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2,3 OR 4

ENTER LINE QUANTITY:
PRESS 1,2,3 OR 4

ENTER 1ST LINE:
LINE 1

ENTER 2ND LINE:
LINE 2

ENTER 3RD LINE:
LINE 3

ENTER 4TH LINE:
LINE 4

ENTER PRINT QUANTITY:
3

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

Press the F2 key to access the PRINT PROPERTIES and to change your fonts.

See page 29.

* For reverse print press F2 key to access PRINT PROPERTIES and turn reverse print “ON”.

See page 28.

VERTICAL LABELS

Vertical Label is the ideal template for pole and vertical sign identification. Create simple one line labels up to four line of text. You also have the option of reverse printing your custom sign.

The vertical label is ideal for 5S, equipment labels, directional labels, and directions.

VERTICAL LABEL
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2,3 OR 4

ENTER 1ST LINE:
LINE 1

ENTER PRINT QUANTITY:
5

Press the F2 key to access the PRINT PROPERTIES and to change your fonts.

See page 29.

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

* For reverse print press F2 key to access PRINT PROPERTIES and turn reverse print “ON”.

See page 28.

OSHA LABELS

OSHA Label is the ideal template for hazard labels and labels. Create simple one line labels up to four line of text. You also have the option of reverse printing your custom sign.

The OSHA Label is ideal for facility safety labels.

Must use preprinted OSHA Danger, Warning, Caution, Safety and Notice labels. See page 31.

Note: When loading preprinted label, the Spitfire™ 4 will automatically calibrate to the label size. Keep in mind, the printer may go through one to two labels when doing this. After calibration, the Spitfire™ 4 will print aligned with your preprinted label. Go to page 25 for an explanation on how to load a preprinted roll without wasting a label.

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

OSHA LABELS
PRESS ENTER

ENTER LINE QUANTITY:
PRESS 1,2,3 OR 4

ENTER 1ST LINE:
1ST LINE

ENTER 2ND LINE:
2ND LINE

ENTER 3RD LINE:
3RD LINE

ENTER 4TH LINE:
4TH LINE

WOULD YOU LIKE SYMBOLS?
1.(Y)ES or 2.(N)O

If you press 1 or Y go to page 16 for a list of symbols you can use or go to print quantity.

ENTER PRINT QUANTITY:
2

Press the F2 key to access the printer settings and to change your fonts. See page 29.

SYMBOLS

BIOHAZARD

RADIATION

HOT SURFACE

POISON

FLAMMABLE

NO SMOKING

EXPLOSIVE

FORKLIFT

DO NOT ENTER FIGURE

CHEM STORAGE/WASTE

GENERAL ! HAZARD

DO NOT ENTER HAND

ACID/CORROSIVE

HIGH VOLTAGE HAND

EMERGENCY EYE WASH

PINCHED FINGERS

HIGH VOLTAGE BOLT

FALL PROTECTION

EYE PROTECTION

HAND CRUSH

EMERGENCY SHOWER

HEARING PROTECTION

LASER

LIFT CORRECTLY

FALL/SLIP HAZARD

HARD HAT

FIRE EXTINGUISHER

Press up and down arrows to scroll through to select specific symbol.

ANSI LABELS

ANSI Label is the ideal template for facility safety labels. Create simple one line labels up to four line of text. Note: ANSI Z535 specifies message to be letters of upper and lower case, left justified. Printer default is all caps. For lower case press CAPS LOCK. You also have the option of reverse printing your custom sign.

Must use preprinted ANSI Danger, Warning, Caution and Notice labels. See page 31.

Note: When loading preprinted label, the Spitfire™ 4 will automatically calibrate to the label size. Keep in mind, the printer may go through one to two labels when doing this. After calibration, the Spitfire™ 4 will print aligned with your preprinted label. Go to page 25 for an explanation on how to load a preprinted roll without wasting a label.

ANSI LABELS
PRESS ENTER

ENTER LINE QUANTITY:
PRESS 1,2,3 OR 4

ENTER 1ST LINE:
1ST LINE

ENTER 2ND LINE:
2ND LINE

ENTER 3RD LINE:
3RD LINE

ENTER 4TH LINE:
4TH LINE

CHOOSE YOUR SYMBOL:
BIOHAZARD

If you press 1 or Y go to page 16 for a list of symbols you can use or go to print quantity.

ENTER PRINT QUANTITY:
4

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

Press the F2 key to access the printer settings and to change your fonts. See page 29.

PIPE MARKERS

Pipe markers is the ideal template for pipe identification and flow direction.

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

PIPE MARKERS
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2,3 OR 4

FIT PIPE DIAMETER:
8"-10" | 4 x 24
ENTER PIPE MARKER:
CUSTOM PIPE MARKER

FIT PIPE DIAMETER:
2.5"-6" | 3 x 12
ENTER PIPE MARKER:
CUSTOM PIPE MARKER

FIT PIPE DIAMETER:
1.5"-2" | 2 x 8
ENTER PIPE MARKER:
CUSTOM PIPE MARKER

FIT PIPE DIAMETER:
.75"-1.25" | 1 x 8
ENTER PIPE MARKER:
CUSTOM PIPE MARKER

WOULD YOU LIKE ARROWS?
PRESS 1.(Y)ES OR 2.(N)O

If you press 2 or N go to enter print quantity.

SELECT ARROW DIRECTION:
1.(L)EFT OR 2.(R)IGHT

ENTER PRINT QUANTITY:
2

Press the F2 key to access the printer settings and to change your fonts.
See page 29.

SAFETY TAGS

Create specific messages on Danger and Caution tags ready to hang.

Must use preprinted Danger and Caution tags. See page 31

Note: 3" Extended Roll Adapter (part no. GLM457) is ideal when loading safety tags. The Spitfire™ 4 will automatically calibrate to the tag size. Keep in mind, the printer may go through one to two tags when doing this. After calibration, the Spitfire™ 4 will print aligned with your safety tag.

When first loading a safety tag roll and running print, the LED indicator may flash red error. Simply press the feed button on top of the printer (once or twice), the LED indicator will turn green and the printer will calibrate to the tag.

If powered off, the tag will have to recalibrate.

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

SAFETY TAGS
PRESS ENTER

HOW MANY LINES?
PRESS 0,1,2,3 OR 4

If 0 is entered, then go to enter name.

ENTER 1ST LINE:
1ST LINE

ENTER 2ND LINE:
2ND LINE

ENTER 3RD LINE:
3RD LINE

ENTER 4TH LINE:
4TH LINE

ENTER NAME:
NAME

ENTER DATE:
5/1/2013

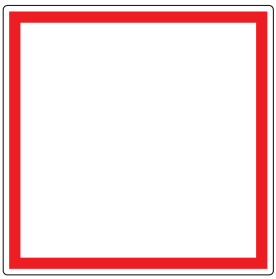
ENTER PRINT QUANTITY:
3

Press the F2 key to access the printer settings and to change your fonts. See page 29.

GHS PICTOGRAMS

GHS Pictograms template works with 2" x 2" and 4" x 4" preprinted GHS Diamond Labels.

Note: When loading preprinted label, the Spitfire™ 4 will automatically calibrate to the label size. Keep in mind, the printer may go through one to two labels when doing this. After calibration, the Spitfire™ 4 will print aligned with your preprinted label. Go to page 25 for an explanation on how to load a preprinted roll without wasting a label.



Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

GHS PICTOGRAMS
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 2 OR 4

Press up and down arrows to scroll through to select specific pictogram.

SKULL AND CROSSBONES
PRESS ENTER

CORROSION
PRESS ENTER

EXCLAMATION MARK
PRESS ENTER

HEALTH HAZARD
PRESS ENTER

ENVIRONMENT
PRESS ENTER

EXPLODING BOMB
PRESS ENTER

FLAMMABLE
PRESS ENTER

FLAME OVER CIRCLE
PRESS ENTER

GAS CYLINDER
PRESS ENTER

ENTER PRINT QUANTITY:
9

BARCODE LABELS

Barcode Labels works with all sizes of continuous tape. Two barcode label formats are available. The barcode symbology used is Code 39.

Use continuous blank label rolls for Barcode Labels format.

BARCODE LABELS
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2,3 OR 4

BARCODE 1
PRESS ENTER

ENTER BARCODE:
BARCODE

ENTER PRINT QUANTITY:
BARCODE

ENTER PRINT QUANTITY:
1

BARCODE 2
PRESS ENTER

ENTER BARCODE:
BARCODE

ENTER TITLE:
TITLE

ENTER PRINT QUANTITY:
2

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

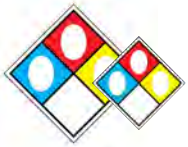
NFPA DIAMOND LABELS

Input and identify the hazard ratings of chemicals and materials onto preprinted NFPA 704 diamond labels.

NFPA DIAMOND LABELS
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2 OR 4

ROLL WIDTH 2 OR 4



2" x 2" NFPA DIAMOND
PRESS ENTER

or

4" x 4" NFPA DIAMOND
PRESS ENTER

ENTER HEALTH HAZARD:
1

ENTER FIRE HAZARD:
4

ENTER INSTABILITY:
3

SPECIFIC HAZARD?
PRESS 1.(Y)ES or 2.(N)O
If yes, see far right for Legend Symbols reference.

ENTER PRINT QUANTITY:
5

ROLL WIDTH 1

1" x 3" NFPA
PRESS ENTER

ENTER HEALTH HAZARD:
4

ENTER FIRE HAZARD:
3

ENTER INSTABILITY:
2

SPECIFIC HAZARD?
PRESS 1.(Y)ES or 2.(N)O
If yes, see far right for Legend Symbols reference.

ENTER CHEMICAL NAME:
CHEMICAL

ENTER COMMON NAME:
COMMON NAME

ENTER MANUFACTURER:
MANUFACTURE

ENTER PRINT QUANTITY:
4

SPECIFIC HAZARD?
PRESS 1.(Y)ES or 2.(N)O

W	USE NO WATER PRESS ENTER
OX	OXIDIZER PRESS ENTER
SA	SIMPLE ASPHYXIANT PRESS ENTER
ACID	ACID PRESS ENTER
ALK	ALKALI PRESS ENTER
COR	CORROSIVE PRESS ENTER
	RADIATION HAZARD PRESS ENTER

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

HMCIS LABELS

Input and identify the hazard ratings of chemicals and materials onto preprinted HMCIS labels.

HMCIS LABELS
PRESS ENTER

ENTER ROLL WIDTH:
PRESS 1,2,3 OR 4

ROLL WIDTH 2 OR 4

2" x 2" HMCIS SQUARE
PRESS ENTER

or

4" x 4" HMCIS SQUARE
PRESS ENTER

ENTER HEALTH:
4

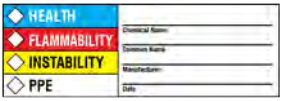
ENTER FLAMMABILITY:
3

ENTER INSTABILITY:
2

ENTER PPE:
P

ENTER PRINT QUANTITY:
3

ROLL WIDTH 1



1" x 3" HMCIS
PRESS ENTER

ENTER HEALTH:
4

ENTER FLAMMABILITY:
3

ENTER INSTABILITY:
2

ENTER PPE:
P

ENTER CHEMICAL NAME:
CHEMICAL

ENTER COMMON NAME:
COMMON NAME

ENTER MANUFACTURER:
MANUFACTURE

ENTER PRINT QUANTITY:
1

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

GHS LABEL

GHS label is ideal for secondary GHS labeling.

Note: When loading preprinted label, the Spitfire™ 4 will automatically calibrate to the label size. Keep in mind, the printer may go through one to two labels when doing this. After calibration, the Spitfire™ 4 will print aligned with your preprinted label. Go to page 25 for an explanation on how to load a preprinted roll without wasting a label.

*Choose 1-4 diamonds to scroll through and select the GHS pictogram.

See menu on page 20.

Tip: If you make an error in a line you will have to press and hold the ALT+EXIT keys to go back to the main menu.

GHS LABEL
PRESS ENTER

ENTER CHEMICAL NAME:
CHEMICAL NAME

ENTER SIGNAL WORD:
DANGER

HOW MANY DIAMONDS?*
PRESS 0,1,2,3, OR 4

ENTER HAZARD STATEMENT:
HAZARD STATEMENT FROM SDS

1. PRECAUTIONARY STATEMENTS:
   PRECAUTIONARY STATEMENT FROM SDS
2. PRECAUTIONARY STATEMENTS:
   PRECAUTIONARY STATEMENT FROM SDS

ENTER LOT NUMBER:
1234

ENTER FILL DATE:
12/12/2013

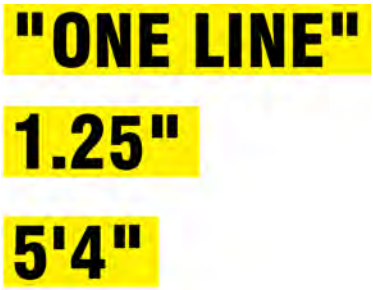
ENTER EXPIRATION DATE:
12/12/2014

ENTER PRINT QUANTITY
5

TIPS

How to print quotation marks and apostrophes:

Press and hold down the SHIFT + . (period) key to get an apostrophe ‘. Do twice to get the quotation or inch symbol. Hit once to get an apostrophe or foot symbol.



How to print a degree sign:

Press and hold down the SHIFT + 8 key to get a degree sign. You will see an asterix appear where the degree sign will be on the keypad.

How to align the preprinted label or tag without wasting a label:

Load your preprinted label or tag as shown in the picture. Keep in mind it must be exact and on top of the gray roller or it will not grip the label or tag to advance forward.

TROUBLE SHOOTING

Print Quality Issues:

1. The final print has slashed lines like the picture shown:

Answer: Decrease the heat settings

2. The final print has dots like the picture shown:

Answer: Increase the heat

Print Quality Answers:

1. This is usually an indicator that the heat setting is too high. Go into printer settings by pressing F2 on the keypad.

Below is a picture of a custom label printing at the correct heat and speed settings. If you are not getting this than adjust the heat settings.

Optimal Heat Settings for Black Ink based on roll being used:

Vinyl - Heat setting of 2-5

Reflective - Heat setting of 4-8

Magnet - Heat setting of 6-10

Optimal Heat Settings for White Ink based on roll being used:

Vinyl - Heat setting of 6-9

Reflective - Heat setting of 4-8

TROUBLE SHOOTING

Cleaning the cutter:

1. Turn printer OFF.
2. Open printer by pulling back the front side green tabs.
3. Clean surrounding areas for adhesive or dust and clean with supplied cleaning pen or use optional cleaning kit wipes to clean the areas.
4. Use the cleaning kit swabs to clean the front opening area of the cutter.
5. If cutter has excessive adhesive, please contact your Distributor or Accuform Service Center.
6. DO NOT remove the cutter.
7. Close printer GENTLY (you should hear a click to make sure printer is fully latched), DO NOT FORCE CLOSE the printer.
8. Turn printer ON.
9. Test print.

Replacing the gray/rubber roller:

1. Turn the printer OFF.
2. Open printer by pulling the front side green tabs (See picture).
3. Remove the roller by pinching the left and right black tabs where the gray platen roller sits and pull up.
4. Install the new roller and make sure it clicks by pushing down on the left and right side.
5. DO NOT use tools to remove or install the roller. TOOLS are not required.

1. USER INSTALLABLE HARDWARE:

- Platen roller
- Black ink ribbon spindle
- Tapes, Tags & Label green spindle
- Printer power supply
- 3" core external roll holder

2. RECOMMENDED DISTRIBUTOR OR ACCUFORM SERVICE CENTER INSTALLING HARDWARE:

- Print heads
- Cutters

When first loading any new preprinted labels or tape, keep in mind the first 3-12 inches could come out as imperfect prints. This may be due to fingerprints, oils, and/or dust. Make sure to properly store your supplies to limit dust.

Imperfections in the media material due to indentations may cause tiny voids in the final print. Adjusting the heat will not prevent this from occurring and it is normal. If the whole roll is giving you poor results, contact your distributor or Accuform Signs and you will be taken care.

PRINTER SETTINGS MENU

1. Press the F2 key to access the printer settings.

2. Press Up and Down to scroll through select specific printer setting.

PRINT PROPERTIES PRESS ENTER		Main Menu for Printer Settings
PRINT HEAT SETTINGS =4 PRESS ENTER		Adjust the printer heat settings when you are not getting the desired print quality. For black ink, heat setting range of 1-5 will work best. For white ink, heat setting range of 7-12 will work best. Default of a new printer is 4.
ENTER HEAT (1-15):4	*	Key in number and press ENTER
PRINT SPEED SETTINGS =2 PRESS ENTER TO CHANGE		Adjust the label feed speed to get efficient optimal print quality, Speed setting range is 2-5. Default of a new printer is 2.
ENTER SPEED (2-5):2	*	Key in number and press ENTER
CUTTER IS "ON" PRESS ENTER TO CHANGE		Turn the cutter on and off by pressing the enter key. Default of a new printer is "ON".
CUTTER IS "OFF" PRESS ENTER TO CHANGE		
REVERSE PRINT IS "OFF" PRESS ENTER TO CHANGE		Turn the function of reverse printing (which works for horizontal and vertical labels) on or off. Default of a new printer is "OFF".
REVERSE PRINT IS "ON" PRESS ENTER TO CHANGE		
TECHNICAL SUPPORT NUMBER 1-800-237-1001		If you ever need technical support, you always have the number with you, call 1-800-237-1001. Hint: Pressing the ENTER key while on the Technical Support has the ACCUFORM.com appear or blank on the footer of the labels.

To leave the Printer Settings, press EXIT. You may need to press EXIT twice to return to Label Template Menu.

*Note: To leave this selection a number must be keyed in, even if it is to key in the same number in order to EXIT out.

FONT SETTINGS MENU

1. Press the F2 then press up or down arrow for Font Settings.

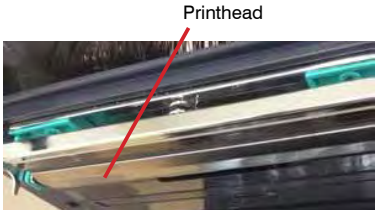
2. Press up and down arrows to scroll through to select specific font setting.

CHOOSE YOUR FONT PRESS ENTER	Main Menu for FONT Settings
SELECT FONT – PRESS ENTER CONDENSE BLACK	**ABCDEFGHIJKLMNOPQRSTUVWXYZ** **abcdefghijklmnopqrstuvwxyz** **1234567890-=;',./** **!@#$% ^ &*()_+:?** This is the default of a new printer
SELECT FONT – PRESS ENTER CONDENSE BOLD	**ABCDEFGHIJKLMNOPQRSTUVWXYZ** **abcdefghijklmnopqrstuvwxyz** **1234567890-=;',./** **!@#$% ^ &*()_+:?**
SELECT FONT – PRESS ENTER CONDENSE ITALIC	*ABCDEFGHIJKLMNOPQRSTUVWXYZ* *abcdefghijklmnopqrstuvwxyz* *1234567890-=;',./* *!@#$% ^ &*()_+:?*
SELECT FONT – PRESS ENTER CONDENSE	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890-=;',./ !@#$% ^ &*()_+:?
SELECT FONT – PRESS ENTER ROMAN	ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890-=;',./ !@#$% ^ &*()_+:?

New Printer default is all caps. For lower case press CAPS LOCK to deactivate and activate all caps.

To leave the Font Settings in the SELECT FONT - PRESS ENTER mode the font must be selected (or ENTER), even if it is the same font already set. Then at CHOOSE YOUR FONT main menu press EXIT to return to Label Template Menu.

MAINTENANCE



Cleaning the printhead:

If you are getting consistent bad quality prints even after changing the heat and speed settings this may mean you need to clean the print head. The Spitfire™ 4 system comes with a maintenance
kit for cleaning your print head. Use the cleaning pen and wipe the bottom of the printhead going from right to left.

1. Turn printer OFF
2. Open printer by pulling the front side green tabs
3. Remove front ink ribbon spindle to expose the print head
4. Use manufacture supplied cleaning pen and swipe the print head area.
5. Re-install front ink ribbon spindle
6. Close printer (you should hear a click to make sure printer is fully latched), DO NOT force close the printer, it is on a “hydraulic” mechanism
7. Turn printer ON
8. Test print to check quality

Spitfire™ 4 Maintenance:

1. Clean print head every 4 weeks depending on usage
2. Clean cutter area with swab or cleaning cloth (SF4 cleaning kit). DO NOT remove the cutter. If excessive adhesive is noticed, please contact your Distributor or Accuform’s Service Center for correct procedures.

Spitfire™ 4 Tips:

1. Store printers away from direct heat (example: leaving printer out in a hot car without the portable case)
2. Do not use sharp objects around printing mechanism (print head or platen/rubber roller)
3. Adjusting ink density due to ambient temperatures will help print quality (See page “Spitfire™ 4 Settings Menu”)
4. Use manufacture supplied cleaning pen or cleaning kit to clean the printers print heads only (DO NOT use other cleaning agents)
5. Cleaning print heads once a month is recommended depending on usage.
6. If print quality looks a little faded, check ink heat setting (See Spitfire™ 4 Troubleshooting Page ??)
7. If heat setting is too high, you will get solid prints with “crescent moon” slashes, turn heat setting down and test print again. (See Spitfire™ 4 Troubleshooting Page ??)
8. If cutter is not cutting correctly, partial cut or jamming, DO NOT remove the cutter, please contact your Distributor or Accuform Service Center. The cutter may have excessive adhesive on the cutting blade.
9. The rubber or platen roller is what grips the tape/media to feed it forward to print. It also helps add pressure to the printing mechanism for a better quality print. For heavy users of the Spitfire™ 4, the platten roller will be worn down and needs replacement. See troubleshooting page for install directions.

MEDIA & ACCESSORIES

Standard Vinyl

For indoor/outdoor use. To order, add color code after part number: Black – BK, Blue – BU, Green – GN, Red – RD, Orange – OR, White – WT, Yellow – YL, Brown – BR, Clear – CL, Gray – GY, Purple – PR

Roll Size, W x L	No.
1" x 150-ft.	GLM431
2" x 150-ft.	GLM432
3" x 150-ft.	GLM433
4" x 150-ft.	GLM434

NFPA Diamond Labels

Labels are pre-printed in the required diamond symbol format allowing user to fill in the specific hazard values. 100 or 250 per roll.

To Order: *Add roll quantity code after part number: 100 / Roll - H, 250 / Roll - T*

Label Size, W x L	No.
2" x 2"	GLM801
4" x 4"	GLM803

GHS Symbol Labels

Print the required pictogram symbol inside each red diamond to identify and warn of the hazard(s) associated with the chemical.

To Order: *Add roll quantity code after part number: 100 / Roll - H, 250 / Roll - T*

GHS Labels	No.
2" x 2" Pictogram	GLM812
4" x 4" Pictogram	GLM814
3 1/2" x 5" Secondary Labels	GLM835

Tags

Tags have space for you to add your own message. PF-Cardstock tags are tear-resistant and waterproof, 6 1/4" x 3" with 3/8" hole. 100 or 250 per roll.

To Order: *Add roll quantity code after part number: 100 / Roll - H, 250 / Roll - T*

Tags	No.
DANGER	GLM884
CAUTION	GLM886

OSHA and ANSI Labels

OSHA and ANSI blank header labels are sized at 3 1/2" x 5" and available in 100 or 250 per roll. For indoor/outdoor use.

To Order: *Add roll quantity code after part number: 100 / Roll - H, 250 / Roll - T*

Header Labels	No.
Danger - OSHA	GLM861
Warning - OSHA	GLM858
Caution - OSHA	GLM859
Notice - OSHA	GLM862
Safety First - OSHA	GLM863
Danger - ANSI	GLM875
Warning - ANSI	GLM876
Caution - ANSI	GLM877
Notice - ANSI	GLM878

Ink

Nearly a thousand feet of ink! These thermal transfer printer ribbons deliver precise text, symbols and bar codes. 4.15"W x 984-ft. length. Available in six colors.

Color	No.
Black	GLM420
White	GLM421
White for Reflective	GLM425
Blue	GLM429
Red	GLM417
Green	GLM419

Accessories

- Need to make your printer even more portable? Battery pack and travel case are available separately to meet your on-the-go printing needs.
- Maintenance Cleaning Kit – keep your printer running clean and clear with preventive care maintenance.

Item	No.
Travel Case	GLM404
Battery Pack	GLM406
Maintenance Cleaning Kit	GLM416
3" Roll Adapter	GLM457

Many more Spitfire™ 4 supplies available including Reflective, Magnetic, Glow-In-The-Dark, HMCIS & NFPA - Visit our Website for details.

Have questions or additional product support needs? Contact:

SPITFIREPRINTERS.COM | 800.237.1001

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